Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__   **Data Dump #** ____0272____   **Starting Date:** __January 30, 2019__   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
02			☐	☐	☐	☐	☐	☐
03			☐	☐	☐	☐	☐	☐
04			☐	☐	☐	☐	☐	☐
05			☐	☐	☐	☐	☐	☐
06			☐	☐	☐	☐	☐	☐
07			☐	☐	☐	☐	☐	☐
08			☐	☐	☐	☐	☐	☐
09			☐	☐	☐	☐	☐	☐
10			☐	☐	☐	☐	☐	☐
11			☐	☐	☐	☐	☐	☐
12			☐	☐	☐	☐	☐	☐
13			☐	☐	☐	☐	☐	☐
14			☐	☐	☐	☐	☐	☐
15			☐	☐	☐	☐	☐	☐
16			☐	☐	☐	☐	☐	☐
17			☐	☐	☐	☐	☐	☐
18			☐	☐	☐	☐	☐	☐
19			☐	☐	☐	☐	☐	☐
20			☐	☐	☐	☐	☐	☐
21			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains the first cast data collected in oceanographic year 2019; it represents the "mid-winter all-stations" survey. Twenty of the 22 stations (00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 16, 17,18 and 24) were successfully occupied; two stations (19 and 20) proved inaccessible because of non-navigable thick pan ice.

Data quality codes are:
        0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__   **Data Dump # ____0273____**   **Starting Date: ____March 05, 2019____**   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
22			☐	☐	☐	☐	☐	☐
23			☐	☐	☐	☐	☐	☐
24			☐	☐	☐	☐	☐	☐
25			☐	☐	☐	☐	☐	☐
26			☐	☐	☐	☐	☐	☐
27			☐	☐	☐	☐	☐	☐
28			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data from seven of eight core stations (01, 04, 07, 12, 13, 16, and 24) during the March 2019 survey. Station 20 was inaccessible due to thick pan ice.

Data quality codes are:
    0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

SEAN Deliverable OC_M

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__   **Data Dump #** ____0274____   **Starting Date:** _____April 4, 2019_____   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
29			☐	☐	☐	☐	☐	☐
30			☐	☐	☐	☐	☐	☐
31			☐	☐	☐	☐	☐	☐
32			☐	☐	☐	☐	☐	☐
33			☐	☐	☐	☐	☐	☐
34			☐	☐	☐	☐	☐	☐
35			☐	☐	☐	☐	☐	☐
36			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data from all eight core stations (01, 04, 07, 12, 13, 16, 20 and 24) during the April 2019 survey.

Data quality codes are:
    0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__   Data Dump # ____0275____   Starting Date: _____May 5, 2019_____   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
37			☐	☐	☐	☐	☐	☐
38			☐	☐	☐	☐	☐	☐
39			☐	☐	☐	☐	☐	☐
40			☐	☐	☐	☐	☐	☐
41			☐	☐	☐	☐	☐	☐
43			☐	☐	☐	☐	☐	☐
44			☐	☐	☐	☐	☐	☐
45			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data collected from all 8 core stations (01, 04, 07, 12, 13, 16, 20, and 24) during the May 2019 survey. Cast 42 is not included as it was incomplete due to equipment malfunction.

Data quality codes are:
    0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__   **Data Dump #** ____0276____   **Starting Date:** ____May 31, 2019____   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
46			☐	☐	☐	☐	☐	☐
47			☐	☐	☐	☐	☐	☐
48			☐	☐	☐	☐	☐	☐
49			☐	☐	☐	☐	☐	☐
50			☐	☐	☐	☐	☐	☐
51			☐	☐	☐	☐	☐	☐
52			☐	☐	☐	☐	☐	☐
53			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data collected from all 8 core stations (01, 04, 07, 12, 13, 16, 20, and 24) during the "June" 2019 survey (actually conducted on May 31).

Data quality codes are:
         0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__ **Data Dump #** ____0277____ **Starting Date:** ____July 17, 2019____ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
54			☐	☐	☐	☐	☐	☐
55			☐	☐	☐	☐	☐	☐
56			☐	☐	☐	☐	☐	☐
57			☐	☐	☐	☐	☐	☐
58			☐	☐	☐	☐	☐	☐
59			☐	☐	☐	☐	☐	☐
60			☐	☐	☐	☐	☐	☐
61			☐	☐	☐	☐	☐	☐
62			☐	☐	☐	☐	☐	☐
63			☐	☐	☐	☐	☐	☐
64			☐	☐	☐	☐	☐	☐
65			☐	☐	☐	☐	☐	☐
66			☐	☐	☐	☐	☐	☐
67			☐	☐	☐	☐	☐	☐
68			☐	☐	☐	☐	☐	☐
69			☐	☐	☐	☐	☐	☐
70			☐	☐	☐	☐	☐	☐
71			☐	☐	☐	☐	☐	☐
72			☐	☐	☐	☐	☐	☐
73			☐	☐	☐	☐	☐	☐
74			☐	☐	☐	☐	☐	☐
75			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data collected from all 22 stations (00, 01, 02, 03, 04, 05, 06, 07, 08, 09. 10, 11, 12, 13, 14, 16,17, 18, 19, 20, 21, and 24) during the mid-summer "all-stations" July 2019 survey.

Data quality codes are:
0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

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Glacier Bay National Park and Preserve

CTD #: __5__   **Data Dump # ____0278____**   **Starting Date: ____August 6, 2019____**   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
76			☐	☐	☐	☐	☐	☐
77			☐	☐	☐	☐	☐	☐
78			☐	☐	☐	☐	☐	☐
79			☐	☐	☐	☐	☐	☐
80			☐	☐	☐	☐	☐	☐
81			☐	☐	☐	☐	☐	☐
82			☐	☐	☐	☐	☐	☐
83			☐	☐	☐	☐	☐	☐
84			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data collected from all 8 core stations (01, 04, 07, 12, 13, 16, 20, and 24) during the August 2019 survey. Note that station 13 was cast twice (81 and 84) during this oceanographic survey.

Data quality codes are:
    0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__   **Data Dump #** ____0279____   **Starting Date:** _September 5, 2019___   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
85			☐	☐	☐	☐	☐	☐
86			☐	☐	☐	☐	☐	☐
87			☐	☐	☐	☐	☐	☐
88			☐	☐	☐	☐	☐	☐
89			☐	☐	☐	☐	☐	☐
90			☐	☐	☐	☐	☐	☐
91			☐	☐	☐	☐	☐	☐
92			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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			☐	☐	☐	☐	☐	☐
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			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data collected from all 8 core stations (01, 04, 07, 12, 13, 16, 20, and 24) during the September 2019 survey.

Data quality codes are:
            0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
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CTD #: __5__   **Data Dump #** ____0280____   **Starting Date:** ___October 8, 2019___   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
93			☐	☐	☐	☐	☐	☐
94			☐	☐	☐	☐	☐	☐
95			☐	☐	☐	☐	☐	☐
96			☐	☐	☐	☐	☐	☐
97			☐	☐	☐	☐	☐	☐
98			☐	☐	☐	☐	☐	☐
99			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This Dump contains cast data collected from 7 core stations (01, 04, 07, 12, 13, 16, and 20) during the October 2019 survey. The 8th core station (24) would have been cast 100, which is not permited by the protocol. Station 24 was cast and labled 01 in data dump 0281.

Data quality codes are:
    0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __5__   **Data Dump # ____0281____**   **Starting Date: ___October 9, 2019___**   **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
01			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

This Dump contains cast data collected from 1 core stations (24) during the October 2019 survey. It was relabled cast 01 in data dump 281 so not to violate the protocol.

Data quality codes are:
   0 - good   1 - unknown   4 - questionable   8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010